# BRUHAT BANGALORE MAHANAGARA PALIKE

## DASARAHALLI ZONE

**Name of work: Construction Of CC Drains at 7th Main 11th Cross Surroundings, 11h A Cross Road Bhuvaneshwari nagara in Ward -14, Bagalagunte**

**JOB NUMBER.:** SI-2 **Est. Amount =** 50.00 Lakhs

| Sl. No | | Unit | No | Dimension L | B | D | Quantity | Rate in Rs. | Amount in Rs. |
|---|---|---|---|---|---|---|---|---|---|
| 1 | KSRRB 300-3. Earthwork excavation by manual means in ordinary soil invoiving in average horizontal throw up to 2m & an average lift upto 1.5m , excavated surface leveled & sides neatly dressed , the disposed earth to be levelled neatly after breaking of clods complete as per specification MORTH/ Chapter 3. Page No. 142/ Item No. 19.1/ PWD SR 2016-17. | | | | | | | | |
| | **Bhuvaneshwari Nagara** | | | | | | | | |
| | **For new rcc drain** | | | | | | | | |
| | 11th A cross | | 1 | 115.00 | 1.00 | 1.00 | 115.00 | | |
| | 11th A Sub cross | | 1 | 24.00 | 1.00 | 1.00 | 24.00 | | |
| | **For Culvert** | | | | | | | | |
| | 11th A cross | | 1 | 17.00 | 1.80 | 1.20 | 36.72 | | |
| | | | 1 | 3.00 | 1.50 | 1.20 | 5.40 | | |
| | **For cc road** | | | | | | | | |
| | 7th A Main Road | | 1 | 106.00 | 5.00 | 0.45 | 238.50 | | |
| | 8th A Main Road | | 1 | 34.00 | 3.30 | 0.45 | 50.49 | | |
| | 8th B Main Road | | 2 | 78.00 | 0.80 | 0.45 | 56.16 | | |
| | 7th Main Road | | 1 | 94.00 | 4.00 | 0.45 | 169.20 | | |
| | | | | | | | **695.47** | **175.96** | **122374.90** |
| 2 | KSRB 4-1.3 : Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2 Page No.12/ Item No. 4.3/ PWD SR 2016-17 | | | | | | | | |
| | **Bhuvaneshwari Nagara** | | | | | | | | |
| | **For new rcc drain** | | | | | | | | |
| | 11th A cross | | 1 | 115.00 | 1.00 | 0.15 | 17.25 | | |
| | 11th A Sub cross | | 1 | 24.00 | 1.00 | 0.15 | 3.60 | | |
| | **For Culvert** | | | | | | | | |
| | 11th A cross | | 1 | 17.00 | 1.80 | 0.15 | 4.59 | | |
| | | | 1 | 3.00 | 1.50 | 0.15 | 0.68 | | |
| | **For cc road** | | | | | | | | |
| | 7th A Main Road | | 1 | 106.00 | 5.00 | 0.15 | 79.50 | | |
| | 8th A Main Road | | 1 | 34.00 | 3.30 | 0.15 | 16.83 | | |
| | 8th B Main Road | | 2 | 78.00 | 0.80 | 0.15 | 18.72 | | |
| | 7th Main Road | Cum | 1 | 94.00 | 4.00 | 0.15 | 56.40 | | |
| | | | | | | **Total Qty** | **197.57** | **5159.02** | **1019241.79** |



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| Sl. No | | Unit | No | Dimension L | Dimension B | Dimension D | Quantity | Rate in Rs. | Amount in Rs. |
|---|---|---|---|---|---|---|---|---|---|
| 3 | KSRB 4.2.1 : Providing and laying in position reinforced cement concrete of Design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70 cum and fine aggregtes @ 0.47cum, with super plasticisers @ 3 liters confirming to is 9103-1999 reafirmed-2008 at machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedastals, retaining walls, return walls, walls (any thickness) including attached pilasters, columnspillars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6 | | | | | | | | |
| | **Bottom raft For Drain** | Sqm | | | | | | | |
| | 11th A cross | | 1 | 115.00 | 0.80 | 0.15 | 13.80 | | |
| | 11th A Sub cross | | 1 | 24.00 | 0.80 | 0.15 | 2.88 | | |
| | **Bottom raft For Culvert** | | | | | | | | |
| | 11th A cross | | 1 | 17.00 | 1.60 | 0.15 | 4.08 | | |
| | | | 1 | 3.00 | 1.30 | 0.15 | 0.59 | | |
| | **For wall** | | | | | | | | |
| | **Drain** | | | | | | | | |
| | 11th A cross | | 2 | 115.00 | 0.15 | 0.80 | 27.60 | | |
| | 11th A Sub cross | | 2 | 24.00 | 0.15 | 0.80 | 5.76 | | |
| | **Culvert** | | | | | | | | |
| | | | 2 | 17.00 | 0.30 | 0.80 | 8.16 | | |
| | | | 2 | 3.00 | 0.30 | 0.80 | 1.44 | | |
| | **Deck Slab For Culvert** | | 1 | 17.00 | 1.60 | 0.25 | 6.80 | | |
| | | | 1 | 3.00 | 1.30 | 0.25 | 0.98 | | |
| | | | | | | | | | |
| | | | | | | **Total Qty** | **72.08** | **6594.26** | **475314.26** |
| 4 | KSRB 4.9.2 :Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications | | | | | | | | |
| | **Steel** | Tonne | | | | | | | |
| | **For new rcc drain** | | | 65Kg/Cum | | | 3.25 | | |
| | **For new Culvert** | | 1 | 110Kg/cum | | | 2.42 | | |
| | | | | | | **Total Qty** | **5.68** | **64243.42** | **364709.90** |
| 5 | KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth cills and string courses cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 (page-15/4.31) SR-2016-17 | | | | | | | | |
| | **For Drain** | Cum | | | | | | | |
| | 11th A Sub cross | | 4 | 115.00 | | 0.80 | 368.00 | | |
| | Bottom raft For Culvert | | 4 | 24.00 | | 0.80 | 76.80 | | |
| | **Culvert** | | | | | | | | |
| | 11th A Sub cross | | 4 | 17.00 | | 0.80 | 54.40 | | |
| | | | 4 | 3.00 | | 0.80 | 9.60 | | |
| | **Deck Slab For Culvert** | | 1 | 17.00 | 1.60 | | 27.20 | | |
| | | | 1 | 3.00 | 1.30 | | 3.90 | | |
| | | | | | | **Total Qty** | **539.90** | **310.58** | **167682.14** |



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| Sl. No | | Unit | No | Dimension L | B | D | Quantity | Rate In Rs. | Amount In Rs. |
|---|---|---|---|---|---|---|---|---|---|
| 6 | Providing and laying pre-cast drain cover slab of 100mm thickness in CM1:3 including cost of all materials,labour,curing, transportation, loading, unloading etc.,as per dolirections of the Enineer-in-charge. {Data Rate sheet enclosed} | | | | | | | | |
| | **For new rcc drain** | | | | | | | | |
| | 11th A Sub cross | Sqm | 1 | 115.00 | 0.80 | | 92.00 | | |
| | Bottom raft For Culvert | | 1 | 24.00 | 0.80 | | 19.20 | | |
| | | | | | | **Total Qty** | **111.20** | **2073.00** | **230517.60** |
| 7 | KSRRB M200-24. Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 cum in volume and stock piling at designated locations & disposal of dismantled materials stacking serviceable and unserviceable materials seperately complete as per specifications. MORTH Specification No. 202 (Page No. 138, Item No.18.47,PW,P & IWTD SR 2016-17) | | | | | | | | |
| | **Bhuvaneshwari Nagara** | Cum | | | | | | | |
| | 7th A Main Road | | 1 | 106.00 | 5.00 | 0.25 | 132.50 | | |
| | 8th A Main Road | | 1 | 34.00 | 3.30 | 0.25 | 28.05 | | |
| | 8th B Main Road | | 2 | 78.00 | 0.80 | 0.25 | 31.20 | | |
| | 7th Main Road | | 1 | 94.00 | 4.00 | 0.25 | 94.00 | | |
| | | | | | | **Total Qty** | **285.75** | **911.86** | **260564.00** |
| 8 | KSRRB M400-6.1. Construction of granular sub-base by providing close graded material, mixing in a mechaical mix plant at OMC, carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the desired density, complete as per specifications.A. Plant Mix Method. MORTH Specification.For Grading II Material (Page No-155,Item No-20.4.2)) | | | | | | | | |
| | | Cum | | | | | | | |
| | 7th A Main Road | | 1 | 106.00 | 5.00 | 0.15 | 79.50 | | |
| | 8th A Main Road | | 1 | 34.00 | 3.30 | 0.15 | 16.83 | | |
| | 8th B Main Road | | 2 | 78.00 | 0.80 | 0.15 | 18.72 | | |
| | 7th Main Road | | 1 | 94.00 | 4.00 | 0.15 | 56.40 | | |
| | | | | | | **Total Qty** | **171.45** | **1665.26** | **285508.83** |
| 9 | Cement concrete pavement. Construction of un-reinforced plain cement concrete pavement, thickness as per design, over a prepared sub base with OPC cement or any other type as per clause 1051.2.2 with 25mm and down size graded granite metal coarse aggregates and fine aggregtes, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing) & spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished with floaters in a continuous operation including provision of contraction, expansion, construction and longitudinal joints, including groove cutting charges, joint filler, separation membrane, selant primer, joint sealant, admixtures as approved, including curing, finishing to lines and grades as per drawing complete as per specifications.M30 (at 360Kg per cum coarse aggregate @ 0.69cum and fine aggregate @ 0.46cum) (Page No.-177 I.No-22.6.1 of KPWD S.R 2016-17) | | | | | | | | |
| | | Cum | | | | | | | |
| | 7th A Main Road | | 1 | 106.00 | 5.00 | 0.15 | 79.50 | | |
| | 8th A Main Road | | 1 | 34.00 | 3.30 | 0.15 | 16.83 | | |
| | 8th B Main Road | | 1 | 78.00 | 3.90 | 0.15 | 45.63 | | |
| | 7th Main Road | | 1 | 94.00 | 4.00 | 0.15 | 56.40 | | |
| | | | | | | **Total Qty** | **198.36** | **7110.48** | **1410434.81** |



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| Sl. No | | Unit | No | Dimension L | B | D | Quantity | Rate in Rs. | Amount in Rs. |
|---|---|---|---|---|---|---|---|---|---|
| 10 | Vaccum de-watering with vaccum pump and suction mat and compaction with skin floater clubbed with floating disc including cost of generator, HOM of machinery, Screed Vibratory, Power Floater, blade and disc etc., with all lead and lift. (Page No.-177 I.No-22.7 of KPWD S.R 2016-17 ) | | | | | | | | |
| | 7th A Main Road | Sqm | 1 | 106.00 | 5.00 | | 530.00 | | |
| | 8th A Main Road | | 1 | 34.00 | 3.30 | | 112.20 | | |
| | 8th B Main Road | | 1 | 78.00 | 3.90 | | 304.20 | | |
| | 7th Main Road | | 1 | 94.00 | 4.00 | | 376.00 | | |
| | | | | | | Total Qty | 1322.40 | 95.40 | 126156.96 |
| | | | | | | | | Total Constrution cost | 44,62,505.18 |
| | | | | | | | | Design Report,Proof Checking | 44,625.05 |
| | | | | | | | | KRIDL Charges 11% | 4,90,875.57 |
| | | | | | | | | Sub Total | 49,98,005.80 |
| | | | | | | | | Miscellaneous & Rounding Off | 1,994.20 |
| | | | | | | | | Grand Total | 50,00,000.00 |

Certificate:-

1. The workspot was inspected and work is found to be necessary.
2. The area comes within the Bruhat Bangalore Mahanagara Palike Limits.
3. The rates adopted based on the PWD SR Bangalore Circle for year 2016-17
4. The provisions made in the estimate are necessary and essential.

SRI SAI CONSULTANTS BANGALORE-90.

Consultants
For Sri Sai Consultants

Assistant Engineer
Ward No.14
BBMP - Bangalore

Assistant Executive Engineer
Dasarahalli Sub-Division
BBMP - Bangalore

Executive Engineer
Dasarahalli
BBMP - Bangalore

ನಂ.EE/DD/AS/623/17-18 ದಿನಾಂಕ : 19/12/17

ರೂ (Rs. 50.00 Lakhs) Fifty Lakhs only

ಅಂದಾಜು ಪಟ್ಟಿಗೆ ಅಡಳಿತಾತ್ಮಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ

ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ ದಾಸರಹಳ್ಳಿ ವಿಭಾಗ
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು.

ನಂ. CE/TS/376/17-18 ದಿನಾಂಕ : 20/12/2017

ರೂ. Rs. 50.00 lakhs only

ಗಳ ಅಂದಾಜು ಪಟ್ಟಿಗೆ ತಾಂತ್ರಿಕ ಮಂಜೂರಾ

ಮುಖ್ಯ ಅಭಿಯಂತರರು
ತಾಂತ್ರಿಕ ಸಹಾಯಕರು
ದಾಸರಹಳ್ಳಿ ವಲಯ



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